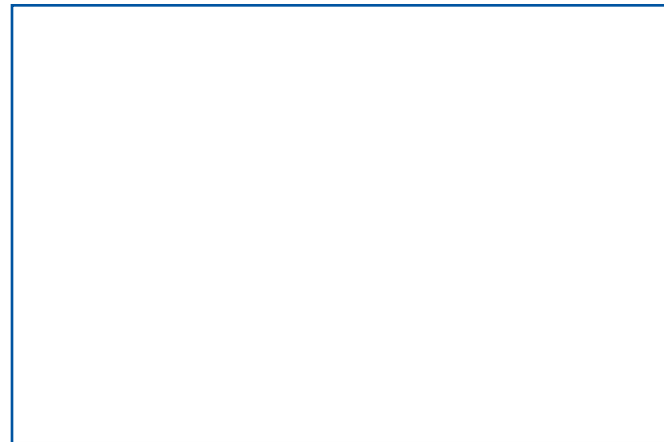
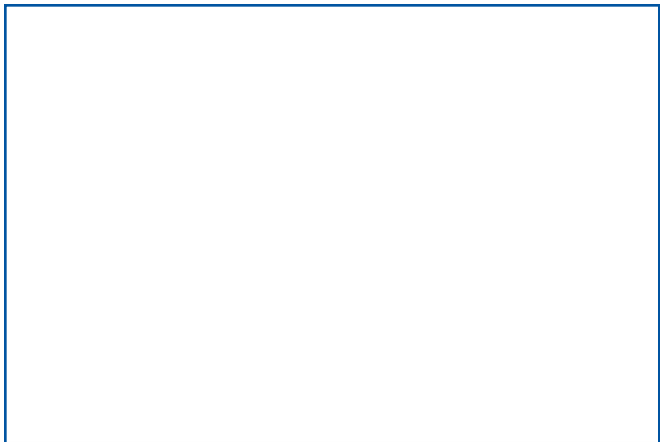


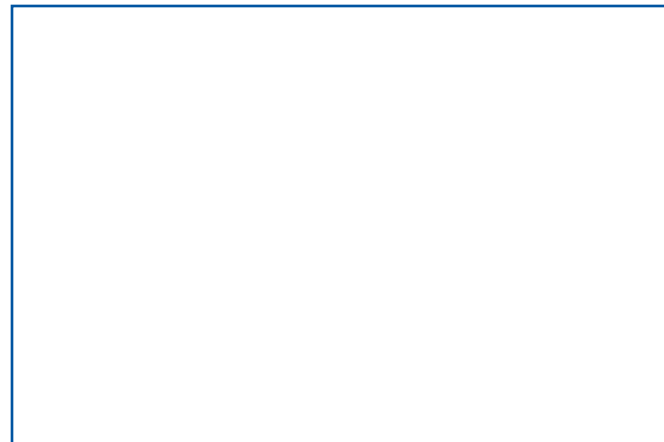
Potential Places of Refuge for Aleutians Subarea



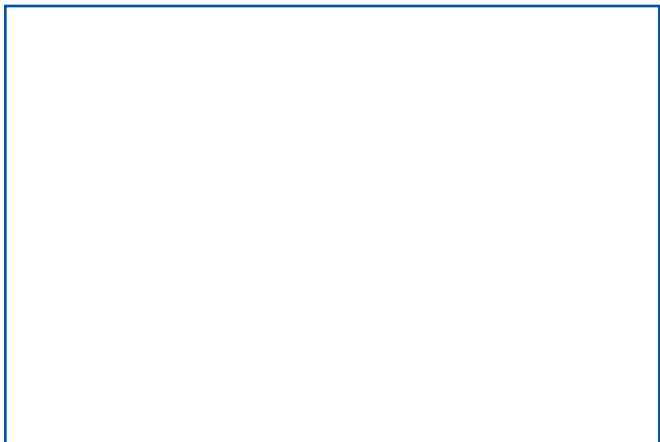
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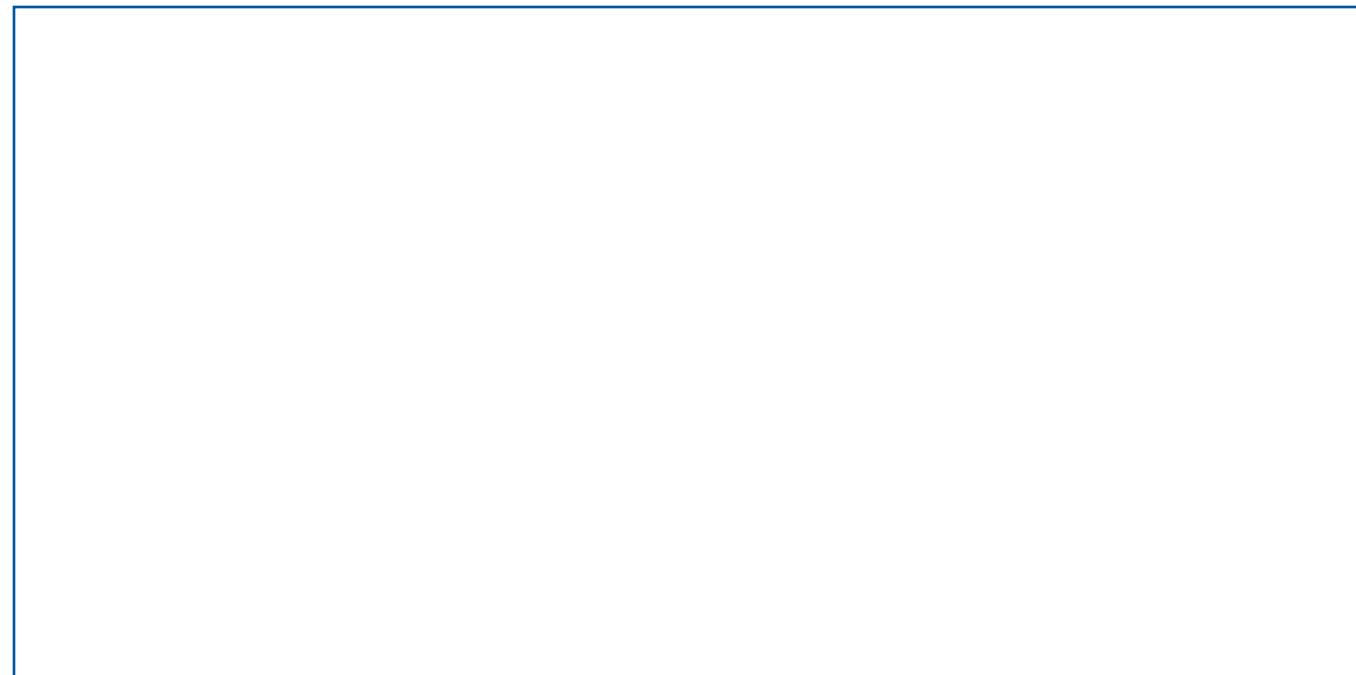
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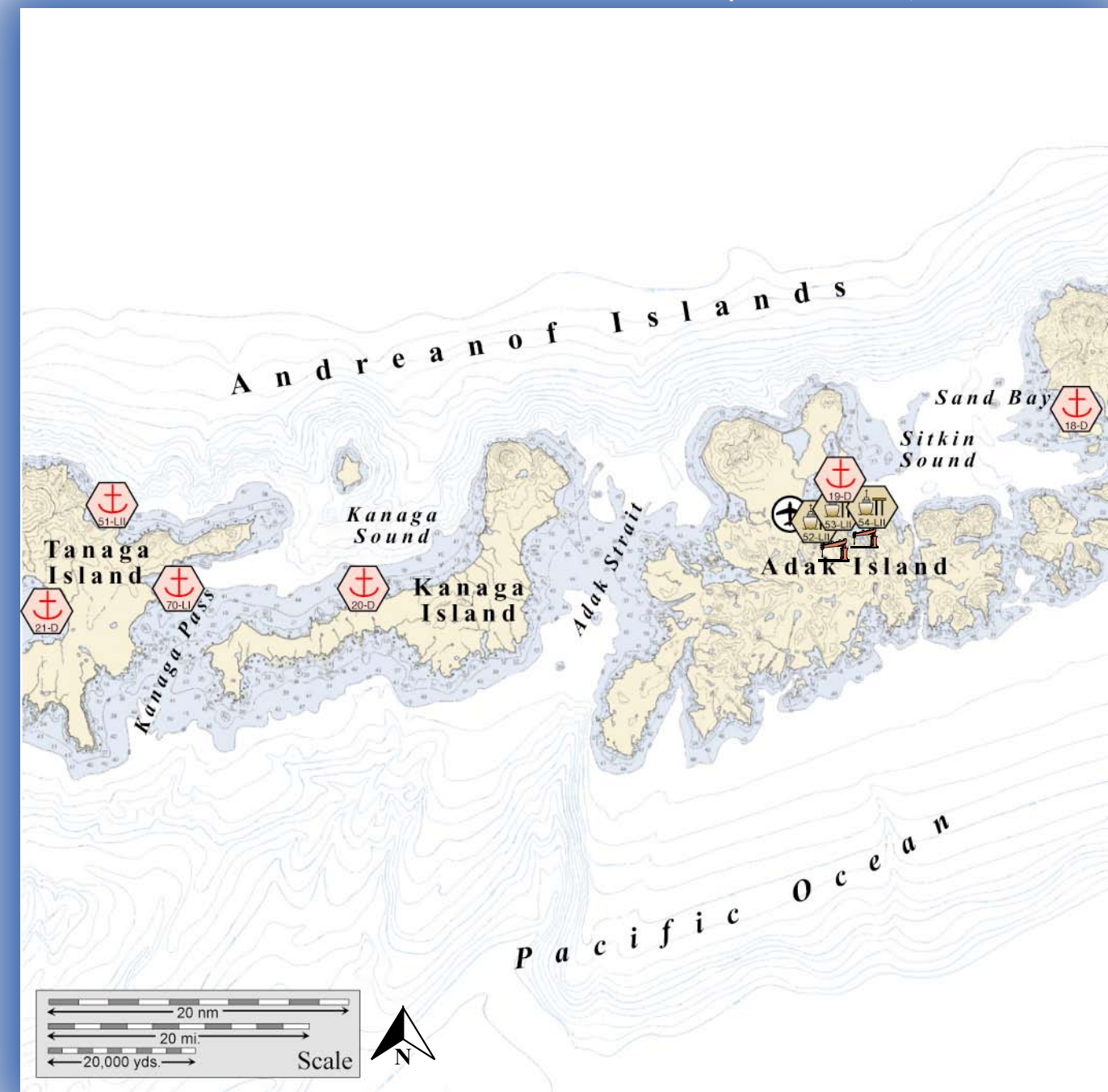


caption.



caption.

Center of Map 51° 46.68' N Lat., 177° 00.71' W Lon.



This is not intended for navigational use.

Soundings in fathoms

	Anchorage		Existing GRS
	Mooring		Fish Hatchery
	Dock/pier		Private Cabins
	Crane		Public Use Cabins
	Airport		Boat Harbor

Map Aleutian Subarea

Aleutian PPOR

Map AIWA-02

Locator Map

Aleutian Islands West A-02 PPOR (AIWA-02) – Site Considerations									
	Sand Bay	Kuluk Bay	North Kanaga Island	Tanga Bay	Tanga Island-Gusty Bay	Adak Fuel Pier 10	Adak Supply Pier #5	Adak Berthing Pier #3	Tanga Island-Hotsprings Bay
ID Number	18-D	19-D	20-D	21-D	51-LII	52-LII	53-LII	54-LII	70-LI
Human Health & Safety									
Communities – distances-nm	Adak-20	Adak-3	Adak-50	Adak-112	Adak-98	Adak-0.0	Adak-0.5	Adak-0.5	Adak- 96
Natural Resource Considerations									
Fish & Wildlife	Spawning salmon, seals, sea otters, seabird nesting.			Spawning salmon, seals, sea otters waterfowl concentrations, seabird nesting.		Spawning salmon, seals, sea otters, seabird nesting.			Spawning salmon, seals, sea otters waterfowl concentrations, seabird nesting.
Threatened & Endangered Species	Sea otters are present.								
Sensitive Areas	Not Designated								
Other Stakeholder Considerations									
Fisheries	Groundfish, crab								
Historic Properties	Historic Properties are present throughout this area.								
Mariculture	None								
Subsistence	Salmon, marine mammals, waterfowl, crab.								
Tourism/Recreation	Local recreation, occasional tourism		None			Local recreation, occasional tourism			None
Waterfront Public Facilities/Parks	Alaska Maritime National Wildlife Refuge- no facilities available	Alaska Maritime National Wildlife Refuge. Adak Harbor nearby	Alaska Maritime National Wildlife Refuge- no facilities available			Alaska Maritime National Wildlife Refuge. Port of Adak Harbor Facilities			Alaska Maritime National Wildlife Refuge
Waterfront Private Facilities	None								
Response and Salvage Resource Considerations									
Ability to Boom Vessel	Weather Dependant	No		Weather dependant	No	Weather dependant			
Geographic Response Strategies	None								
Closest Alternative Places of Refuge (same sized vessel)	17 nm. to 19-D Kuluk Bay	17 nm. to 18-D Sand Bay	53 nm. to 21-D Tanga Bay	53 nm. to 20-D North Kanga Island	98 nm. To 52-LII Adak Fuel Pier 10	0.5 nm. to 53-LII Adak Berthing #3	0.1 nm. to 54-LII Adak berthing Pier #3	0.1 nm. to 53-LII Adak Supply Pier #5	22 nm 51-LII Tanga Island-Gusty Bay

Site ID Number and Vessel Class Classification
D = A deep draft vessel that exceeds 20,000 Gross Tons, has drafts of 25-60 ft. and range from 450 ft.- 1000 ft. LOA, typical of Tankers/Cruiseships
LII= A light draft vessel of 10,000 to 19,999 Gross Tons, has drafts up to 25 ft., LOA of up to 450 ft., typical of Ferrys/Trampers
LI= A light draft vessel of 300 to 10,000 Gross Tons, has drafts up to 25 ft., LOA of up to 450 ft., typical of Ferrys/Trampers
S = A shallow draft vessel less than 300 Gross Tons, has a draft less than 15 ft., LOA less than 200 ft., typical of Excursion/Fishing vessels

Aleutian Islands West A-02 PPOR (AIWA-02) – Physical and Operational Characteristics									
	Sand Bay	Kuluk Bay	North Kanaga Island	Tanga Bay	Tanga Island-Gusty Bay	Adak Fuel Pier 10	Adak Supply Pier #5	Adak Berthing Pier #3	Tanga Island-Hotsprings Bay
ID Number	18-D	19-D	20-D	21-D	51-LII	52-LII	53-LII	54-LII	70-LI
Location	51°58.58'N 176°07.97'W	51°53.10'N 176°34.51'W	51°46.46'N 177°25.05'W	51°44.50'N 178°01.83'W	51°51.94'N 177°52.31'W	51°51.24'N 176°39.16'W	51°51.67'N 176°38.25'W	51°51.68'N 176°38.06'W	51°46.94'N 177°45.85'W
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons				Light draft-II, 10,000 to 20,000 Gross Tons				Light draft-I, 300 to 10,000 Gross Tons
Type of Berthing	Anchorage					Dock			Anchorage
Contact	N/A					Port Administrator 907.592.0185			N/A
Navigational Approach	Approach from W	Approach from E	Approach from N	Approach from the W	Approach from N	Approach from E			
Minimum Water Depths	20 Fathoms in swing area	34 Fathoms in swing area	20 Fathoms in the swing area	30 Fathoms in the swing area	70 Fathoms in swing area	5 Fathoms at the Dock face	6 Fathoms at the Dock face	6 Fathoms at the Dock face	38 Fathoms in the swing area
Maximum Water Depth	25 Fathoms in swing area	54 Fathoms in swing area	40 Fathoms in the swing area	50 Fathoms in the swing area	30 Fathoms in the swing area	5 Fathoms at the Dock face	6 Fathoms at the Dock face	6 Fathoms at the Dock face	80 Fathoms in the swing area
Maximum Vessel Draft	60 ft.					25 ft.	27 ft.	25 ft.	50 ft.
Swing Room/Dock Face	4200 ft.	6000 ft.	3000 ft.	6000 ft.	3600 ft.	280ft. w dolphins-760 ft.	600 ft.	500 ft.	2800 ft.
Bottom Type	Sand, Mud	Sand	Sand	Gravel	Rocky	N/A			Rocky
Docks/Piers	Nearest Alt. Dock 06-D Dutch Harbor APL Dock				Nearest Alt. Dock 54-LII Adak Berth #3		Nearest Alt. Dock 54-LII Adak Berth #3	Nearest Alt. Dock 53-LII Adak Berth #5	
Anchorage	Nearest Alt. Anchorage-19-D Kuluk Bay	Nearest Alt. Anchorage-18-D Sand Bay	Nearest Alt. Anchorage-21-D Tanga Bay	Nearest Alt. Anchorage-20-D North Kanga Island	Nearest Alt. Anchorage-70-LI Tanaga Island	Nearest Alt. Anchorage-19-D Kuluk Bay			Nearest Alt. Anchorage-18-D Sand Bay
Prevailing Winds	Northwest winds are common year round								
Currents	Local currents in the passes are strong and complex. Currents are generally weak outside of the passes.								
Tides	Mean High Water- ---- (Higher- 3.7), Mean Low Water- --- (Lower- -2.5)	Mean High Water- 3.6 (Higher- 3.7), Mean Low Water- 0.7 (Lower- -3.5)	Mean High Water- ---- (Higher- 5.8) , Mean Low Water- ---- (Lower- ----) Tide is chiefly diurnal.	Mean High Water- ---- (Higher- 7.3) , Mean Low Water- ---- (Lower- ----) Tide is chiefly diurnal.	Mean High Water- ---- (Higher- 6.0) , Mean Low Water- ---- (Lower- ----) Tide is chiefly diurnal.	Mean High Water- 3.6 (Higher- 3.7), Mean Low Water- 0.7 (Lower- -3.5)			Mean High Water- ---- (Higher- 3.1) , Mean Low Water- ---- (Lower- -3.0) Tide is chiefly diurnal.
Sea Conditions	Exposed to swell from the NW	Exposed to swell from the NE	Exposed to swell from the N, W	Exposed to swell from the W	Exposed to swell from the N, NE	Exposed to swell from the E	Sheltered from extreme sea states		Exposed to swell from the S, NE
Shelter from Severe Storms	Sheltered from S, E, N storms	Exposed to storms from the NE	Sheltered from S, W storms	Sheltered from S, E, N storms	Sheltered from S, W, storms	Exposed to E storms	Sheltered from severe storms		Exposed to S, NE storms
Fog	Fog is frequent and severe in all seasons.								
Sea ice	Sea ice unlikely.								

Aleutian Islands West A-02 PPOR (AIWA-02) Stakeholders	
Year-2007	Contact
Aleut Corporation	President
Aleutian East Borough	Mayor
Alaska Dept of Fish & Game	Resource Manager
Alaska Department of Natural Resources	Natural Resource Manager
Alaska Maritime National Wildlife Refuge-USFWS	Refuge Manager
City of Adak	Mayor
Native Allotments	Dept of the Interior Regional Environmental Officer

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Aleutian Sub-Area Contingency Plan: <http://www.akrrt.org/AIPlan/aitoc.shtml>